

Exhibit 34

MATERIAL ANALYZED: Peek Tubing Samples For Study of Different Air Gaps Used During Extrusion

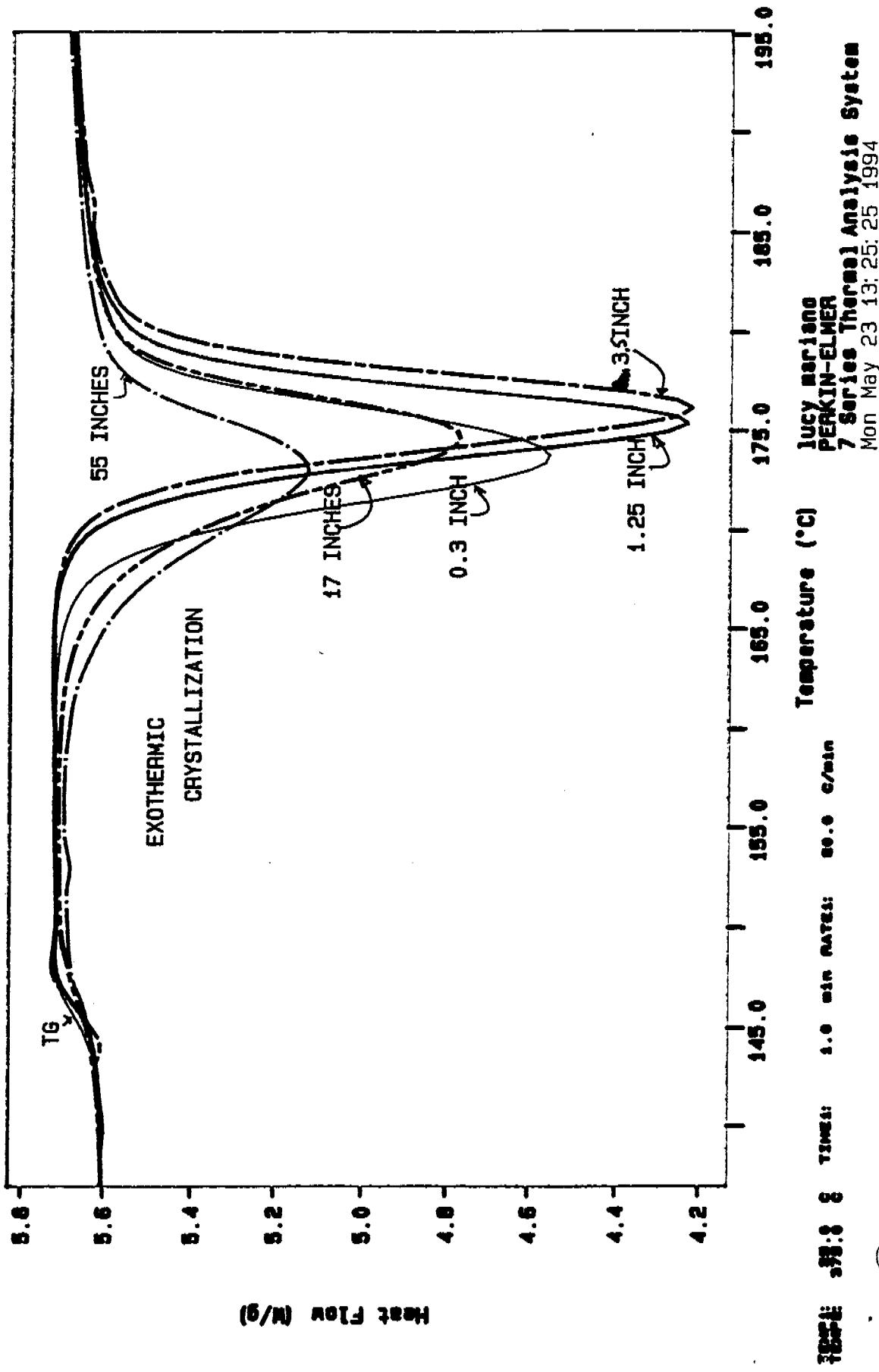
DSC Scanning Rate : 20°C/Minute

Temp 1 : 25°C

Temp 2 : 375°C

MATERIAL ANALYZED	Sample No.	Wt mg	Tg °C	EXOTHERM CRYST.		MELTING PEAK	ΣΔH (ΔH-ΔHcc) J/g	
				Tcc °C	ΔHcc J/G			
1. Air Gap =0.3 Inch	A	4.34	145.1	173.70	25.51	338.20	38.40	12.89
	B	4.48	145.6	173.70	24.80	338.40	37.60	12.80
	Average	4.41	145.35	173.70	25.16	338.30	38.00	12.85
2. Air Gap =1.25 Inch	A	4.25	146.0	175.50	25.72	337.90	39.15	13.43
	B	4.53	145.6	175.40	26.18	337.30	42.10	15.92
	Average	4.39	145.80	175.45	25.95	337.60	40.63	14.68
3. Air Gap= 3.5 Inches	A	4.30	146.30	176.12	27.43	338.01	38.56	11.13
	B	4.42	145.70	176.70	26.50	338.00	38.57	12.07
	Average	4.36	146.00	176.41	26.97	338.01	38.57	11.60
4. Air Gap= 17 Inches	A	4.25	145.1	174.70	24.34	337.30	38.91	14.57
	B	4.41	145.3	174.60	23.90	337.60	38.20	14.30
	Average	4.33	145.20	174.65	24.12	337.45	38.56	14.44
5. Air Gap= 55 Inches	A	4.25	145.5	173.30	17.28	337.60	38.28	21.00
	B	4.37	145.4	173.30	17.10	337.30	39.34	22.24
	Average	4.31	145.45	173.30	17.19	337.45	38.81	21.62

Curve 1: DSC
 File info: 1.25A Fri May 20 10:46:15 1994
 Sample Weight: 4.251 89
 PEEK TUBING, AIR GAP STUDY



peak data		ACS and Acutech shafts											
		rev date 5/19/94			nom nom water			nominal area			ave dim area		
ext no	ext date	id	ad	id	basis	density	[gm/cm^3]	wt	[gm/cm^3]	[in^2]	[in^2]	[J/gm]	
amorphous		[mil]	[mil]										
semi crys				equil vol% cryst = 0.37;									
crystalline													
Acutech	1st samp-lm	19.0	25.5										
10-542													
10-543	3/10/94	32.0	37.0	32.39	0.7387	1.257	2.71E-04						
543-rep													
10-544	3/10/94	18.0	23.0	17.98	0.4058	1.257							
544-rep													
Acutech	02-149-r2	32.5	39.5	32.97	1.0366	1.268	3.96E-04						
Acutech-rep	2000C/30min												
10-552	3/25/94	30.0	37.0	0.6858	1.253	3.68E-04	4.23E-04						
552 rep													
10-553	3/25/94	30.0	38.0	0.7636	1.253	4.27E-04	3.15E-04						
553-rep													
10-553ht	2000C/30min												
10-554	3/25/94	33.0	39.0	0.8320	1.280								
554rep													
10-554ht	2000C/30min												
10-581													
10-ag3	5/17/94	32.0	38.0	0.6347	1.266	3.30E-04	2.59E-04						
10-ag1	5/17/94	32.0	38.0	0.7555	1.27	3.30E-04	3.07E-04						
10-ag2	5/17/94	32.0	38.0	0.7485	1.277	3.30E-04	3.03E-04						
10-ag4	5/17/94	32.0	38.0	0.6407	1.285	3.30E-04	2.58E-04						
10-ag5	5/17/94	32.0	38.0	0.6127	1.300	3.30E-04	2.43E-04						
density In strikeout = low estimate 1 purge													
density In Italics = estimate, not measured													
density In standard font = 2 purge data													

extrusion conditions

extrusion conditions															
die geometry		ext no	id mil	od mil	wb mil	dlsr in	screw addr	rpm	p-spd ft/min	die press set	ext amp	ext zones	die	melt	nominal dryling
amorphous															
semi crys															
crystalline															
Acutech															
10-542	27	58	0.4	low out			8	40	558	7	530/600/720	700	763	300/12	
10-543	72	94	0.25	cr110393-1	9	6	65	2121	9.4	565/670/720	720	784	280/48		
543-rep															
10-544	72	94	1	cr110393-1	17	6	65	1943	8.9	565/670/720	720	784	280/48		
544-rep															
Acutech															
Acutech-rep															
Acutech-hlt															
10-552	72	98	0.6	cr110393-1	12	10	41	1875	8.9	570/680/720	720	800	250/12		
552 rep															
10-553	72	98	0.6	cr110393-1	11	10	41	1803	9.6	570/680/731	730	801	250/12		
553-rep															
10-553ht															
10-554	72	98	76	cr110393-1	12	11	41	1803	8.6	570/680/710	710	800	250/12		
554rep															
10-554ht															
10-581	72	94	0.7	pe4770-3	9	11	92	1391	10.1	565/670/730	730	810	320/3		
10-ag3	72	94	0.3	?			4	75	2697	575/650/670	673	756	250/96		
10-ag1	72	94	1.25	?			4	75	2842	575/650/670	673	756	250/96		
10-ag2	72	94	3.5	?			4	75	2890	575/650/670	673	756	250/96		
10-ag4	72	94	1.7	?			4	75	2812	575/650/670	673	756	250/96		
10-ag5	72	94	55				4	75	2620	575/650/670	673	756	250/96		

		room temperature data				strain rate = 0.1 min^-1				strain rate = min^-1							
		nom	ave dim	nom	ave dim	nom	ave dim	sy	sy	ave dim	sb/max	sb/max	ave dim	eb/max	comments	nominal	
ext no	EI	[kpsi]	[kpsi]	[kpsi]	[kpsi]	[in/in]	[in/in]	[kpsi]	[in/in]	[in/in]	[in/in]	[in/in]	[in/in]	[in/in]			
amorphous	380	380															
semi crys	460	460															
crystalline																	
Acutech	385		8.03			0.03		8.4		0.71	ok for prox imom, too stiff for distal						
10-542																	
10-543	415	370	8.25	7.36	0.03	19.5	17.4	1.31									
543-rep		350		7.63	0.03												
10-544	392	378	7.91	7.64	0.03	22.4	21.6			2.01	1/2 samples fit ult IX early						
544-rep		377		7.62	0.03												
Acutech	416	390	9.49	8.89	0.03	15.4	14.5			0.56	water od =	40.24					
Acutech-rep		415		8.86	0.03												
Acutech-hi		528		12.40	0.03												
10-552	275	358	5.79	7.54	0.03	15.9	20.7			2.28	8C water cooled						
552 rep		357		7.28	0.03												
10-553	258	350	5.47	7.42	0.03	16.2	21.9			2.86	70C water cooled						
553-rep		373		7.48	0.03												
10-553hi		421		11.90	0.04												
10-554	339	402	7.31	8.67	0.03	18.3	21.7			2.62	air cool						
554rep		422		8.83	0.03												
10-554hi		506		11.80	0.03												
10-581		362		7.45	0.03												
10-ag3	281	358	6.13	7.81	0.03	16.5	21.0	1.78		min							
10-ag1	320	343	6.98	7.49	0.03	19.4	20.8	1.99									
10-ag2	317	345	6.89	7.50	0.02	21.8	23.7	3.00	variations in								
10-ag4	290	371	5.89	7.54	0.03	18.1	23.2	2.92	water bath distance								
10-ag5	300	406	6.76	9.16	0.03	17.3	23.4	2.43	max								
nominal values based on nominal dimensions																	
ave values based on length-averaged area from basis + density																	